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U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/539,093 (Conf. #9226)
Filing Date	15 June 2005
First Named Inventor	John M. YANNI
Art Unit	10/539093
Examiner Name	
Attorney Docket Number	2394 US F

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 26 References and Return Card.
<input type="checkbox"/> Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Alcon Research, Ltd.		
Signature			
Printed name	Teresa J. Schultz		
Date	9 Dec. 2005	Reg. No.	40,526

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: John M. YANNI

Serial No: 10/539,093 (Conf. #9226)

Filed: 15 June 2005

Examiner:

Group Art Unit:

FOR: TREATMENT OF DRY EYE BY RESTORING 15-LIPOXYGENASE ACTIVITY TO
OCULAR SURFACE CELLS

**INFORMATION DISCLOSURE STATEMENT PURSUANT
TO 37 C.F.R. 1.56, 1.97, AND 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. 1.56, 1.97, and 1.98, Applicants submit the patents, articles, and other information referenced in the specification as filed. The references are listed on the attached PTO Form 1449. Applicants are submitting copies of the foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2), copies of the U.S. patents are not enclosed.

A copy of the International Search Report issued in the PCT application, of which the present application is a 35 U.S.C. §371 application, is also included for the Examiner's convenience.

Applicants request that the listed patents, articles, and other information be considered during prosecution of this application and that they appear among the "References Cited" on any patent issuing herefrom.

Respectfully submitted,

9 Dec. 2005
Date

By: Teresa J. Schultz
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Registration No. 40,256
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Attorney Docket No.: 2394 US F



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Filing Date	15 June 2005
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Examiner Name	
Attorney Docket Number	2394 US F

Sheet 1 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US- 3,991,759	11-16-1976	Urquhart	
	A2	US- 4,131,651	12-26-1978	Shah et al.	
	A3	US- 4,370,325	01-25-1983	Packman	
	A4	US- 4,409,205	10-11-1983	Shively	
	A5	US- 4,744,980	05-17-1988	Holly	
	A6	US- 4,753,945	06-28-1988	Gilbard et al.	
	A7	US- 4,818,537	04-04-1989	Guo	
	A8	US- 4,868,154	09-19-1989	Holly	
	A9	US- 4,914,088	04-03-1990	Glonek et al.	
	A10	US- 4,966,773	10-30-1990	Gressel et al.	
	A11	US- 5,041,434	08-20-1991	Lubkin	
	A12	US- 5,075,104	12-24-1991	Gressel et al.	
	A13	US- 5,174,988	12-29-1992	Mautone et al.	
	A14	US- 5,278,151	01-11-1994	Korb et al.	
	A15	US- 5,290,572	03-01-1994	MacKeen	
	A16	US- 5,294,607	03-15-1994	Glonek et al.	
	A17	US- 5,371,108	12-06-1994	Korb et al.	
	A18	US- 5,403,841	04-04-1995	Lang et al.	
	A19	US- 5,455,265	10-03-1995	Chandraratna	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	A20					
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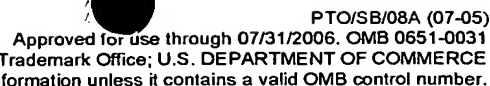
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Sheet	2	of	5
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Application Number	10/539,093
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Art Unit	
Examiner Name	
Attorney Docket Number	2394 US F

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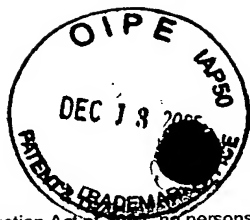
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STATEMENT BY APPLICANT**

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Application Number	10/539,093
Filing Date	15 June 2005
First Named Inventor	John M. YANNI
Art Unit	
Examiner Name	
Attorney Docket Number	2394 US F

Sheet

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5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B1	BARABINO S and DANA MR (2004). Animal models of dry eye: a critical assessment of opportunities and limitations. 45(6): 1641-1646	
	B2	BEHRENS et al. (2002). Retroviral gene therapy vectors for prevention of excimer laser-induced corneal haze. IOVS 43(4): 968-977	
	B3	BRASH et al., "Discovery of a second 15S-lipoxygenase in humans", PROC. NATL. ACAD. SCI. USA 94:6148-6152 (1997)	
	B4	DARTT et. al., "Vasoactive Intestinal Peptide-Stimulated Glycoconjugate Secretion from Conjunctival Goblet Cells", EXPERIMENTAL EYE RESEARCH 63:27-33, (1996)	
	B5	DILLY et al., "Surface changes in the anaesthetic conjunctiva in man, with special reference to the production of mucus from a non-goblet-cell source", BRITISH JOURNAL OF OPHTHALMOLOGY 65:833-842 (1981).	
	B6	GREINER et al., "Mucus Secretory Vesicles in Conjunctival Epithelial Cells of Wearers of Contact Lenses", ARCHIVES OF OPHTHALMOLOGY 98:1843-1846 (1980)	
	B7	HSI et al., "Evaluation of the activity and localization of 15-Lipoxygenase-1 after introduction into human colorectal carcinoma Caco-2 cells", PROSTAGLANDINS, LEUKOTRIENES AND ESSENTIAL FATTY ACIDS 64 (4 & 5):217-225 (2001)	
	B8	HSI et al., "Opposing Effects of 15-Lipoxygenase-1 and -2 Metabolites on MAPK Signaling in Prostate", THE JOURNAL OF BIOLOGICAL CHEMISTRY 277(43):40549-40556 (2002)	
	B9	International Search Report for PCT/US03/33139 [#2394 WO F]	
	B10	KAMATA et al. (2001). Adenovirus-mediated gene therapy for corneal clouding in mice with mucopolysaccharidosis type VII. MOLECULAR THERAPY 4(4): 307-312	

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	C1	LEMP, "Report of the National Eye Institute/Industry Workshop on Clinical Trials in Dry Eyes", The CLAO Journal, 21(4):221-232 (1995)	
	C2	LIMINGA et al (1994). Arachidonate 15-lipoxygenase in human corneal epithelium and 12- and 15-lipoxygenases in bovine corneal epithelium: comparison with other bovine 12-lipoxygenases. Biochim Biophys Acta. 1210(3): 288-296	
	C3	LIMINGA and OLIW, "Qualitative and Quantitative Analysis of Lipoxygenase Products in Bovine Corneal Epithelium by Liquid Chromatography-Mass Spectrometry with an Ion Trap", LIPIDS 35 (2):225-232 (2000)	
	C4	MAROM et al., "Human Airway Monohydroxyeicosatetraenoic Acid Generation and Mucus Release", JOURNAL OF CLINICAL INVESTIGATION 72:122-127 (1983)	
	C5	MARTIN et al. (2002). Gene delivery to the eye using adeno-associated viral vectors, METHODS 28 267-275	
	C6	MCCULLEY and SHINE, "Tear Film Structure and Dry Eye", Contactologia, 20(4):145-49 (1998)	
	C7	NAKMURA et. al., "Gefarnate Stimulates Secretion of Mucin-Like Glycoproteins by Corneal Epithelium in Vitro and Protects Corneal Epithelium from Desiccation in Vivo", EXPERIMENTAL EYE RESEARCH 65:569-574 (1997)	
	C8	PETERSON CM et al. (2002). Dry eye syndrome in postmenopausal women. JAMA 287(5): 585-586	
	C9	PFEIFER A and VERMA IM (2001). Gene Therapy: promises and problems. Annu Rev Genomics Hum Genet. 2: 177-211	
	C10	SHAPPELL et al., "15-Lipoyxygenase-2 (15-LOX-2) Is Expressed in Benign Prostatic Epithelium and Reduced in Prostate Adenocarcinoma", AMER. J. PATH. 155(1):235-245 (1999)	

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	D1	SHAPPELL et al., "15-Lipoxygenase-2 Expression in Benign and Neoplastic Sebaceous Glands and Other Cutaneous Adnexa", J. INVESTIGATIVE DERMATOLOGY. 117(1):36-43 (2001)	
	D2	SHINE and MCCULLEY, "Keratoconjunctivitis Sicca Associated With Meibomian Secretion Polar Lipid Abnormality", ARCHIVES OF OPHTHALMOLOGY 116(7):849-52 (1998)	
	D3	STECHSCHULTE et al., "Rapid Ocular Angiogenic Control via Naked DNA Delivery to Cornea", INVEST. OPHTHALMOL. VIS. SCI. 42(9):1975-1979 (2001)	
	D4	VERMA, I. M. and SOMIA, N. (1997). Gene therapy-promises, problems and prospects. NATURE 389: 239-242	
	D5	WATANABE et al., "Human Corneal and Conjunctival Epithelia Produce a Mucin-like Glycoprotein for the Apical Surface", INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE 36(2):337-344 (1995)	
	D6	YANNI et al., "Effect of Intravenously Administered Lipoxigenase Metabolites on Rat Tracheal Mucous Gel Layer Thickness", INTERNATIONAL ARCHIVES OF ALLERGY AND APPLIED IMMUNOLOGY 90:307-309 (1989)	
	D7		
	D8		
	D9		
	D10		

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